

Anvick Aperture Device and Method of Forming and Using Same

Abstract:

An aperture formed by one or more elements of a truss and utilized to form ductile connections with other reinforcement elements. Said aperture may be formed by the positioning, bending, weaving or sewing of one or more said elements. The trusses may be disposed in parallel or intersecting planes and may be connected by the utilization of said apertures on site or fabricated offsite. They may be assembled into structures or into modular or custom panels with which structures may be built, and embedded in cementations. Insulation and other mechanical systems may be incorporated into said truss and panel systems prior to embedment in cementations. Said aperture-forming trusses may also be used to incorporate prior art into structures with enhanced properties. The resulting interconnected systems of apertures, trusses, insulation and other systems generally are embedded in cementations to produce structures with superior ductility of interconnections and enhanced composite behavior.